



EHRLE[®]
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The better way to clean



The better way to clean

HIGH PRESSURE CLEANERS / INDUSTRIAL VACUUM CLEANERS / POWER SWEEPERS



EHRLE 3 generations



Anton J. Ehrle

Anton Ehrle was born in Voggenreute, Germany in 1894. He learned the blacksmith's craft and passed his examination for master craftsman's diploma in 1927.

He thus laid the foundation stone for the still continuing interest of the EHRLE sons in metalworking.



Oskar R. Ehrle

Oskar Ehrle was born in Bad Schussenried, Germany in 1922. After elementary school he completed an apprenticeship as a hand molder from 1936 to 1939. During World War II he was drafted as a pilot of rescue airplanes. In 1945, he was taken prisoner by the Russians and transferred to Werche-Tura in Siberia.

Marked by hunger and illness he returned to his hometown by the end of 1947. After recovery from his imprisonment, Oskar Ehrle attended Engineering School in Constance, Germany from 1950 to 1953 and graduated as a „Mechanical Engineer“.

As early as in 1959 he developed and designed one of the first steam jets for WAP - the DR 600.

In 1961 he founded the company EHRLE in Illertissen, Germany.



Reiner M. Ehrle

In 1959 Reiner Ehrle was born in Illertissen, Germany. After elementary school he completed secondary school in 1975 and was awarded the secondary education certificate. After passing his A Levels in 1977, Reiner Ehrle started his one-year traineeship in the USA in 1978 before attending the Technical College in Ulm, Germany from 1979 to 1983 where he received his diploma for mechanical engineering.

During his subsequent studies in business economics in Pforzheim, Germany he was able to deepen his knowledge in economics. In 1984 he entered his parents' company in Illertissen, Germany. Owing to his comprehensive knowledge in mechanical and industrial engineering he succeeded in gradually expanding his parental company from a small business to a medium sized company with subsidiaries in other European countries.

Today, the entire EHRLE Group employs a workforce of more than 200 employees.

EHRLE today



EHRLE currently belongs to the world's leading providers of innovative solutions in cleaning technology and vehicle washing.

Ever since its foundation, EHRLE has been relying on fully developed technology, innovative ideas, best possible quality and perfect service.

EHRLE products are characterized by their above-average product quality and technology and convince with their modern design, high quality materials, extremely long service life and economic efficiency.

Owing to constant new product developments and further development of existing products paved the way for extremely high manufacturing standards which are a prerequisite for the global success of EHRLE products.

One of the basic preconditions was the introduction of modern assembly line production as well as careful permanent material testing and final inspection by means of test computers.

All products and constructions are manufactured by means of state-of-the-art, precise and innovative manufacturing processes and, after their completion, are subjected to extremely rigorous internal and external tests in order to ensure that the high demands of our customers at home and abroad are fully met.

»Made by EHRLE« globally stands for German top quality. Long years of experience and reliable highly motivated qualified employees allow production in all areas of business at the highest level of quality.

EHRLE continuously and intensively takes into account the habits, preferences, opinions and improvement suggestions of its users and is therefore in a position to promptly react to any changes on the market. EHRLE constantly orients itself on optimal customer benefit and customer requirement.

Along with its subsidiaries in Europe and independent distribution partners, the company is present in about 60 countries all over the world.



EHRLE cleaning systems

since 1959

1959 - 2013



1959

Research and development of the first steam cleaner DR 600 the Wap company.



1970

Start of series production of the first EHRLE steam cleaner Jet 750. This steam cleaner was equipped with a single piston pump designed Oskar Ehrle.



1971

Due to further improvement of high pressure pumps the series production of cold water high pressure cleaners was started.



1972

Series production start of the first hot water high pressure cleaner HDW 750. This machine initiated the trend from steam cleaners to the current high pressure machines.



1974

Research and development of swimming pool heaters with horizontal heat exchanger under the branding of Iller Thermal.



1975

Further development and model change of high pressure cleaners. Various accessories with combined high pressure nozzles as well floor cleaning brushes are introduced into the market.



1978

Model upgrading of hot water high pressure cleaners. The pull handle was replaced by a castor with push bar. The range of models was further upgraded with more powerful machines with a water capacity of up to 1.800 l/h.



1979

Research and development of the first self service car wash with water softener and hot water heating boiler plant as a precursor of present car wash installations. The foundation stone for the company's further success.



1984

Manufacturing and distribution of the first consumer cold water HP cleaner. This HP cleaner has been sold through hardware stores domestic and abroad.



1999

Model change for the hot water high pressure cleaners. Use of transparent tanks and a plastic cover for the first time.



2005

Model upgrading of stationary hot water high pressure cleaner. The stationary high pressure cleaners are also available with complete stainless steel housings.



2008

Model upgrading of mobile hot water high pressure cleaners. New ETRONIC II control offers additional control and maintenance advantages. All machines are electronically monitored and evaluated.



2008

Start of distribution of sweepers for commercial use. These sweepers are offered in different sizes up to professional ride-on sweepers. Customers can choose between electric or gasoline driven versions.



2009

Production start of the SmartWash and SmartWash Plus modules. These single bay self-service stations offer a professional and cost effective solution and is specially designed for gas stations with already existing wash bays.



2011

The first compete wash and car-center becomes reality. The EHRLE Design Pro Stahlbau combines self-service car wash bays with automatic rollover centers.



2013

Development, construction and manufacture of the cold water high pressure KD 2x2 cleaner series with rotation molded chassis, which is constructed on a large water storage reservoir and fully complies with the drinking water regulations as required by law.

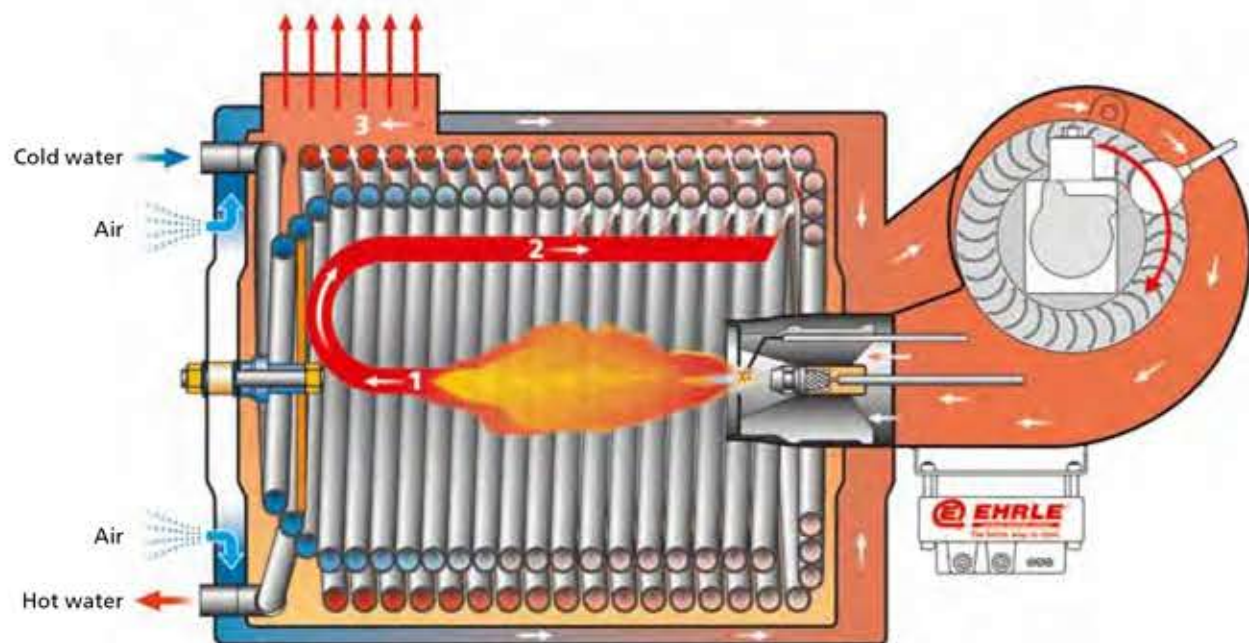
EHRLE top features

EHRLE advantages at a glance

The horizontal EHRLE combustion chamber

The EHRLE developed and uniquely horizontally positioned combustion chamber with its 3-draft system operates extremely efficiently and complies with even the strictest emission regulations.

Its very high efficiency results in lower fuel consumption and increased heat output at the same time. The air supply through the combustion chamber mantle serves to preheat the combustion air and to cool the outside surfaces so that there is no need for thermal insulation.



Heating oil consumption of oil heated EHRLE hot water devices at a water temperature increase by ΔT 45 K (°C)

					
HD 623 HD 640	HD 723 HD 840 HSC 723 (ST)	HD 940	HD 1140 HSC 1140 (ST) HDB/HDD 1240	HDB 1540	HD 1240 HSC 1240 (ST)
at 11 l/min.	at 12 l/min.	at 14 l/min.	at 16 l/min.	at 17 l/min.	at 20 l/min.
2.6 kg/h	2.9 kg/h	3.3 kg/h	3.8 kg/h	4.1 kg/h	4.6 kg/h

The EHRLE water tank

EHRLE water tanks for high pressure cleaners are dimensioned such as to ensure that their volume is higher than the per-minute delivery capacity of the machines.

This means utmost safety for the user because it is possible that too many users are connected to the water supply network at the same time as an unnoticed water shortage may cause damage to the pump.

Water shortage as a main reason for damage to high pressure cleaners is therefore largely excluded.



The EHRLE Triplex 3-piston high performance pump

The EHRLE high performance pump uses a crankshaft, solid plungers (pistons), and stainless steel valves. The pump head is made of wrought special brass or cast chromium steel. No chance for corrosion.

The advantages that the EHRLE Triplex pump has to offer in comparison to any other customary pumps is its extreme robustness in addition to its greater insensitivity to any potential water shortage. The solid ceramic plungers also stand for extreme wear resistance.



The EHRLE FLEX intermediate coupling

As regards machines with a water capacity exceeding 15 l/min., EHRLE uses a flexible coupling between motor and high pressure pump to reduce any oscillations or vibrations and to effectively avoid any potential temperature transfer between motor and pump.



EHRLE tanks made of transparent material

The transparent material of the tanks for fuel and detergents allow for visual filling level control in order to ensure prompt reaction in case of decreasing media.



The 2 EHRLE operating levels

EHRLE has introduced 2 operating levels for its stationary HSC series:

Level 1 - INSIDE - is intended for the plant operator: This enables the operator to carry out all relevant setting such as pressure, amount of water, temperature and dosage of detergents.













Level 2 - OUTSIDE - comprising for use of the operator: a main switch and two ON/OFF switches for hot water and detergents. Preset parameters can not be changed from the outside.

















Patented EHRLE parking brake

The EHRLE developed and patented parking brake ensures safe locking of the mobile machines at the site of operation, especially on sloping terrain.



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High pressure cleaners



KD 2x2 series

Mobile cold water high pressure cleaners,
designed for continuous professional use, 10-14 l/min.

Standard equipment KD 2x2 series

- > Trigger gun Powershift 350 with quick coupling QC 315
- > Professional hose drum with 15 m high pressure hose
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > Stainless steel pipe with rotor nozzle, 900 mm
- > High pressure hose 15 m
- > Total stop system with delayed motor cut-out
- > Devices - Total switch-off after 20 minutes
- > Water tank with 17 l capacity for network separation
- > High pressure detergent control valve
- > 2-fold safety system consisting of unloader valve and overload switch
- > Leakage detection



The EHRLE plus:

MAXIMUM SAFETY DUE TO WATER TANK

EHRLE water tanks for high pressure cleaners are dimensioned such as to ensure that their volume is higher than the per-minute delivery capacity of the machines.

NO PUMP DAMAGE DUE TO WATER SHORTAGE

Equipment features



Continuously adjustable pressure

Triplex piston pump with brass pump head, ceramic plungers and stainless steel valves

Control valve for the infinitely variable addition of detergents

Rotation molded one-piece chassis, extremely rigid and robust



Multifunctional stowage for 5.5 m electric cable and hose for detergents

Integrated hose drum with foldable crank and 15 m steel braided high pressure hose

Stowage possibility on device for trigger gun with lance as well as for jet tube with rotor nozzle

The rotation molded chassis is hollow and serves as water storage tank (17 l) and buffer as well as water supply separation

Technical data

	KD 623	KD 823	KD 940
Order N°	558	562	561
Operating pressure, continuously adjustable	30-150 bar / 3-15 MPa	30-130 bar / 3-13 MPa	30-170 bar / 3-17 MPa
Water output	10 l/min. (600 l/h)	12 l/min. (720 l/h)	14 l/min. (840 l/h)
Inlet water temperature	max. 40 °C	max. 40 °C	max. 40 °C
Nozzle size	25034 ■	2505 ■	25043 ■
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm
High pressure hose	15 m, DN 6	15 m, DN 8	15 m, DN 8
Connected load	230 V, 13.6 A, 50 Hz	230 V, 13.6 A, 50 Hz	400 V, 9.4 A, 50 Hz
Power intake	2.5 kW	3.1 kW	4.0 kW
Weight	57 kg	60 kg	60 kg
Dimensions (L x W x H)	780 x 500 x 900 mm	780 x 500 x 900 mm	780 x 500 x 900 mm



KD 4x4 series

Mobile cold water high pressure cleaners,
designed for continuous professional use, 16-30 l/min.

Standard equipment KD 4x4 series

- > Trigger gun Powershift 350 with quick coupling QC 315
- > Professional hose drum with 20 m high pressure hose
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > Stainless steel pipe with rotor nozzle, 900 mm
- > High pressure hose 20 m
- > Total stop system with delayed motor cut
- > Devices - Total switch-off after 20 minutes
- > Water tank with 35 l capacity for network separation
- > High pressure detergent control valve
- > 2-fold safety system consisting of unloader valve and overload switch
- > Leakage detection



The EHRLE plus:

MAXIMUM SAFETY DUE TO WATER TANK

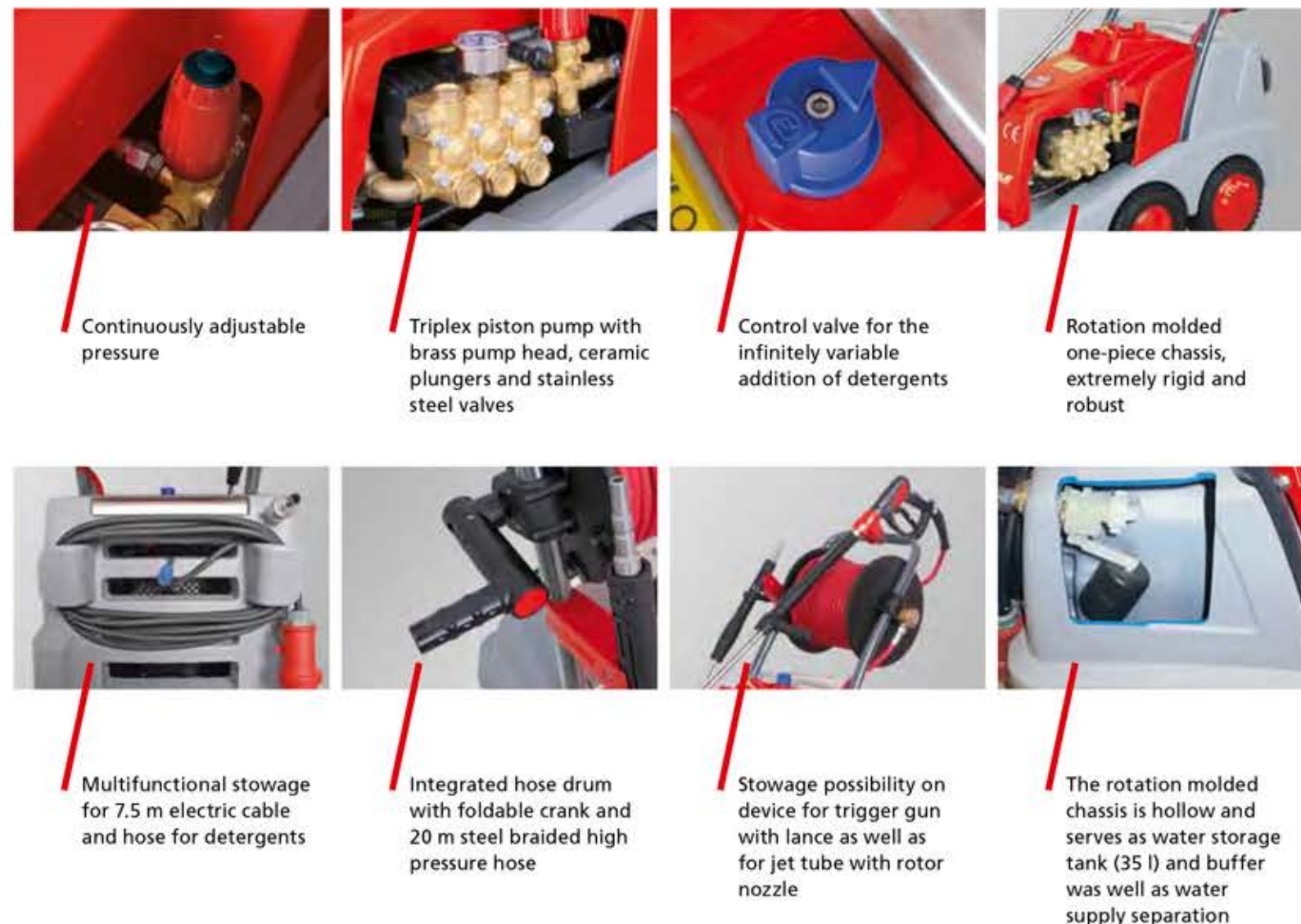
EHRLE water tanks for high pressure cleaners are dimensioned such as to ensure that their volume is higher than the per-minute delivery capacity of the machines.

NO PUMP DAMAGE DUE TO WATER SHORTAGE

Image shows extra features: Double lance



Equipment features



Continuously adjustable pressure

Triplex piston pump with brass pump head, ceramic plungers and stainless steel valves

Control valve for the infinitely variable addition of detergents

Rotation molded one-piece chassis, extremely rigid and robust

Multifunctional stowage for 7.5 m electric cable and hose for detergents

Integrated hose drum with foldable crank and 20 m steel braided high pressure hose

Stowage possibility on device for trigger gun with lance as well as for jet tube with rotor nozzle

The rotation molded chassis is hollow and serves as water storage tank (35 l) and buffer as well as water supply separation

Technical data	KD 1140	KD 1340	KD1840/140 bar	KD 1540	KD 1840/180 bar
Order N°	551	552	563	553	554
Operating pressure, continuously adjustable	30-250 bar / 3-25 MPa	30-180 bar / 3-18 MPa	30-140 bar / 3-14 MPa	30-280 bar / 3-28 MPa	30-180 bar / 3-18 MPa
Water output	16 l/min. (960 l/h)	21 l/min. (1,260 l/h)	30 l/min. (1,800 l/h)	25 l/min. (1,500 l/h)	30 l/min. (1,800 l/h)
Inlet water temperature	max. 40 °C	max. 40 °C	max. 40 °C	max. 40 °C	max. 40 °C
Nozzle size	2504	2506	2512	2507	2510
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm
High pressure hose	20 m, DN 8	20 m, DN 8	20 m, DN10	20 m, DN 8	20 m, DN 10
Connected load	400 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 24.0 A, 50 Hz	400 V, 24.0 A, 50 Hz
Power intake	7.9 kW	7.9 kW	7.9 kW	14.0 kW	14.0 kW
Weight	98 kg	98 kg	101 kg	125 kg	125 kg
Dimensions (L x W x H)	900 x 540 x 970 mm	900 x 540 x 970 mm	900 x 540 x 970 mm	900 x 540 x 970 mm	900 x 540 x 970 mm

KDB / KDD series

Mobile cold water high pressure cleaners, designed for continuous professional use, with gasoline or diesel powered motor

Standard equipment KDB/KDD series

- > Trigger gun Powershift 350 with quick coupling QC 315
- > Stainless steel pipe with regulating nozzle, 900 mm
- > High pressure hose 10 m
- > Low pressure detergent injector with control valve
- > Automatic speed control
- > Electric starting system optional - standard on KDD 1240
- > Unloader valve for continuously adjustable pressure control

The EHRLE plus:

CONSTANTLY LOW PUMP SPEED DUE TO REDUCTION GEAR

EHRLE uses a reduction gear with a ratio of 1:2.2 between combustion motor and high pressure pump.



Equipment features



Continuously adjustable pressure



Triplex piston pump with chromium steel pump head (KDB 1540), ceramic plungers and stainless steel valves



Trolley for difficult terrain with rubber tires for easy maneuvering and vibration damping



Sturdy steel frame for protection of technical components



Service friendly combustion motor (Honda, Yanmar or Briggs & Stratton)



Option: Hose drum with foldable crank and up to 40 m high pressure hose



Largely dimensioned silencer for distinctive reduction of operation noise



Reduction gear for reduction of pump speed (reduction gear ratio 1: 2.2)

Technical data

	KDB 1240	KDB 1540	KDD 1240
Order N°	168 Benzin	170 Benzin	174 Diesel
Operating pressure, continuously adjustable	30-200 bar / 3-20 MPa	30-280 bar / 3-28 MPa	30-180 bar / 3-18 MPa
Water output	16 l/min. (960 l/h)	17 l/min. (1,020 l/h)	16 l/min. (960 l/h)
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C
Nozzle size	2505 	2504 	2505 
Motor power consumption	13 HP gasoline Honda	18 HP gasoline Briggs & Stratton	10 HP diesel Yanmar
Pump speed	1,400 rpm	1,400 rpm	1,400 rpm
Electric start equipment	Option	Option	Standard
High pressure hose	10 m, DN 8	10 m, DN 8	10 m, DN 8
Weight	70 kg	85 kg	100 kg
Dimensions (L x W x H)	980 x 750 x 770 mm	980 x 750 x 770 mm	980 x 750 x 770 mm

HD Etronic I series

Mobile hot water high pressure cleaners,
designed for continuous professional use, oil heated

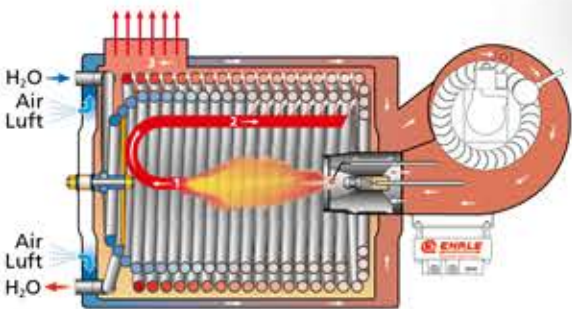
Standard equipment HD Etronic I series

- > Trigger gun Powershift 350 with quick coupling QC 315
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > High pressure hose 10 m
- > Total stop system with delayed motor cut
- > Devices - Total switch-off after 20 minutes
- > 5-fold safety system consisting of pressure switch, unloader valve, safety valve, thermostat and overload switch
- > 2 motor systems, (independent of rotation direction) separate for high pressure pump and burner
- > High pressure detergent control valve
- > Water tank for water supply separation
- > 24 V safety voltage
- > Leakage detection

The EHRLE plus: HIGHEST EFFICIENCY DUE TO HORIZONTAL COMBUSTION CHAMBER

The EHRLE developed and uniquely horizontally positioned combustion chamber with its 3-draft system operates extremely efficiently and complies with even the strictest emission regulations.

LOW CONSUMPTION + INCREASED HEAT OUTPUT



Equipment features



Continuously adjustable pressure



Triplex piston pump with brass pump head, Ceramic plungers and stainless steel valves



Control valve for continuous addition of detergents



Control unit for setting of required outlet water temperature



2 transparent tanks (20 l each) for fuel and detergents for visual filling level control



Option: Hose drum with foldable crank and up to 40 m high pressure hose



Large all-terrain wheels with rubber tires and patented parking brake



Corrosion proof powder coated steel chassis with impact resistant protective plastic cover

Technical data

	HD 623	HD 640
Order N°	497	412
Operating pressure, continuously adjustable	30-120 bar / 3-12 MPa	30-160 bar / 3-16 MPa
Water output	11 l/min. (660 l/h)	11 l/min. (660 l/h)
Hot water output temperature	30-150 °C	30-150 °C
Nozzle size	25045 ■	25034 ■
Motor speed	1,400 rpm	1,400 rpm
High pressure hose	10 m, DN 8	10 m, DN 8
Connected load	230 V, 12.5 A, 50 Hz	400 V, 10.0 A, 50 Hz
Heating oil consumption max.	4.2 kg/h, 4.94 l/h	4.2 kg/h, 4.94 l/h
Power intake	3.0 kW	4.0 kW
Weight	140 kg	140 kg
Dimensions without hose drum (L x W x H)	1000 x 700 x 990 mm	1000 x 700 x 990 mm



HD Etronic II series

Mobile hot water high pressure cleaners,
designed for continuous professional use, oil heated

Standard equipment HD Etronic II series

- > Trigger gun Powershift 350 with quick coupling QC 315
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > High pressure hose 10 m
- > Total stop system with delayed motor cut
- > Devices - Total switch-off after 20 minutes
- > 2 motor systems, (independent of rotation direction) separate for high pressure pump and burner
- > 5-fold safety system consisting of pressure switch, unloader valve, safety valve, thermostat and overload switch
- > Optical flame monitoring system with photocell and warning lamp
- > Water shortage and fuel shortage protection
- > High pressure detergent control valve
- > Electronic operating hours meter
- > Water tank for water supply separation
- > 24 V safety voltage
- > Leakage detection
- > Steam-stage

The EHRLE plus: HIGHEST EFFICIENCY DUE TO HORIZONTAL COMBUSTION CHAMBER

The EHRLE developed and uniquely horizontally positioned combustion chamber with its 3-draft system operates extremely efficiently and complies with even the strictest emission regulations.

LOW CONSUMPTION + INCREASED HEAT OUTPUT

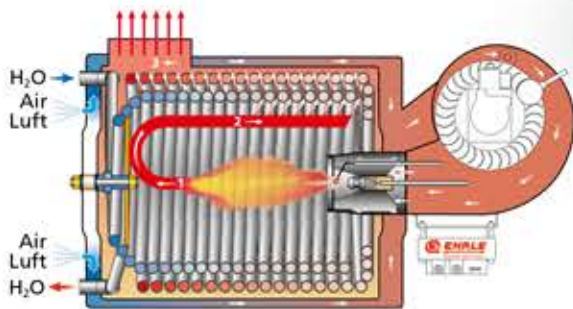
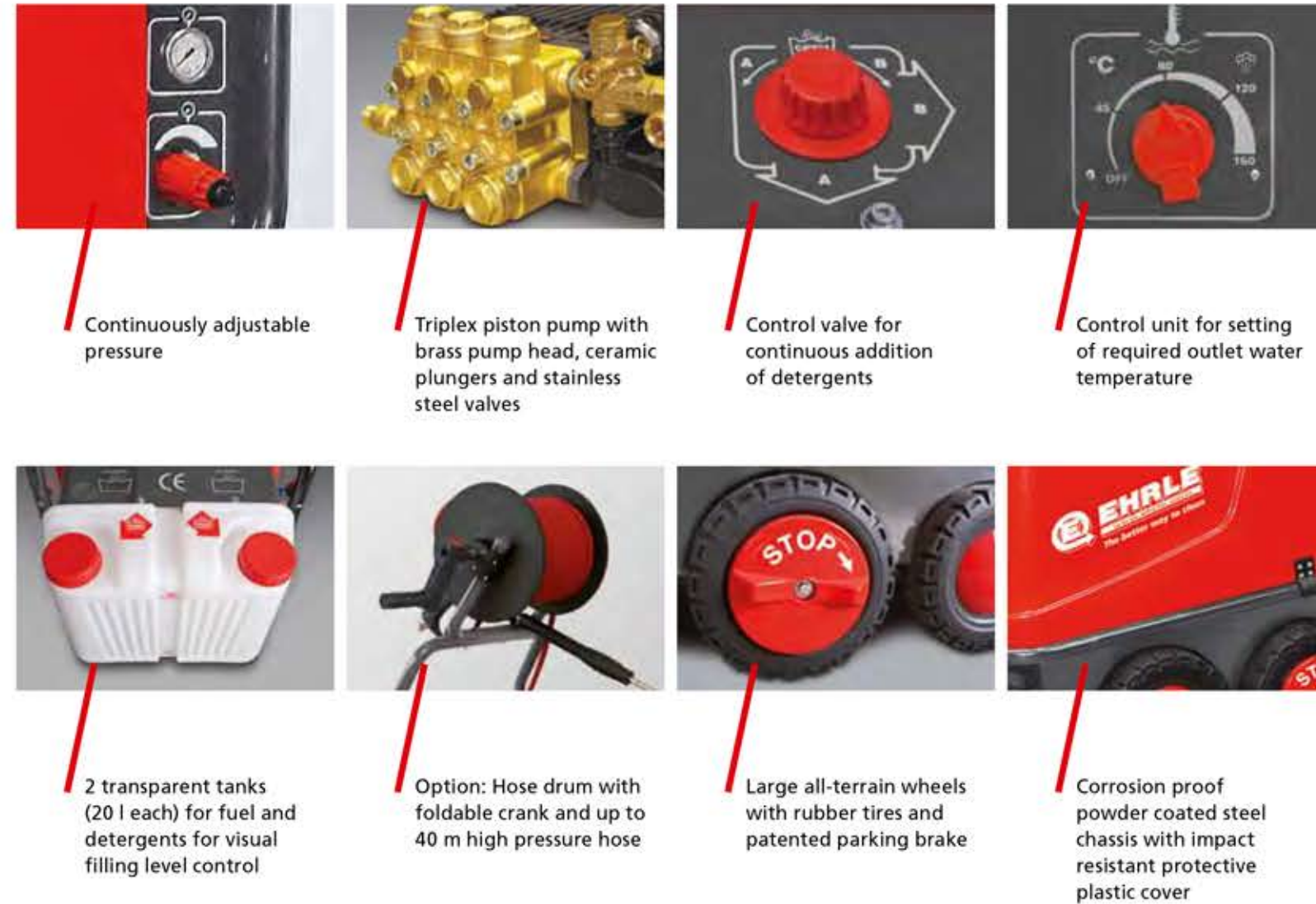


Image shows extra features:
Hose drum

Equipment features



Continuously adjustable pressure

Triplex piston pump with brass pump head, ceramic plungers and stainless steel valves

Control valve for continuous addition of detergents

Control unit for setting of required outlet water temperature

2 transparent tanks (20 l each) for fuel and detergents for visual filling level control

Option: Hose drum with foldable crank and up to 40 m high pressure hose

Large all-terrain wheels with rubber tires and patented parking brake

Corrosion proof powder coated steel chassis with impact resistant protective plastic cover

Technical data	HD 723	HD 840	HD 940	HD 1140	HD 1240
Order N°	496	408	442	410	411
Operating pressure, continuously adjustable	30-120 bar / 3-12 MPa	30-160 bar / 3-16 MPa	30-180 bar / 3-18 MPa	30-230 bar / 3-23 MPa	30-165 bar / 3-16.5 MPa
Water output	12 l/min. (720 l/h)	12 l/min. (720 l/h)	14 l/min. (840 l/h)	16 l/min. (960 l/h)	20 l/min. (1,200 l/h)
Hot water output temperature	30-150 °C	30-150 °C	30-150 °C	30-150 °C	30-150 °C
Nozzle size	25045 ■	25045 ■	25045 ■	25045 ■	2507 ■
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm
High pressure hose	10 m, DN 8	10 m, DN 8	10 m, DN 8	10 m, DN 8	10 m, DN 8
Connected load	230 V, 16.0 A, 50 Hz	400 V, 10.0 A, 50 Hz	400 V, 17.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz
Heating oil consumption max.	4.8 kg/h, 5.65 l/h	5.2 kg/h, 6.12 l/h	4.8 kg/h, 5.65 l/h	5.9 kg/h, 6.94 l/h	5.9 kg/h, 6.94 l/h
Power intake	3.6 kW	4.4 kW	5.0 kW	7.9 kW	7.9 kW
Weight	150 kg	150 kg	150 kg	155 kg	160 kg
Dimensions without hose drum (L x W x H)	1000 x 700 x 990 mm	1000 x 700 x 990 mm	1000 x 700 x 990 mm	1000 x 700 x 990 mm	1000 x 700 x 990 mm



HDE series

Mobile hot water high pressure cleaners, designed for continuous professional use, electrically heated

Standard equipment HDE series

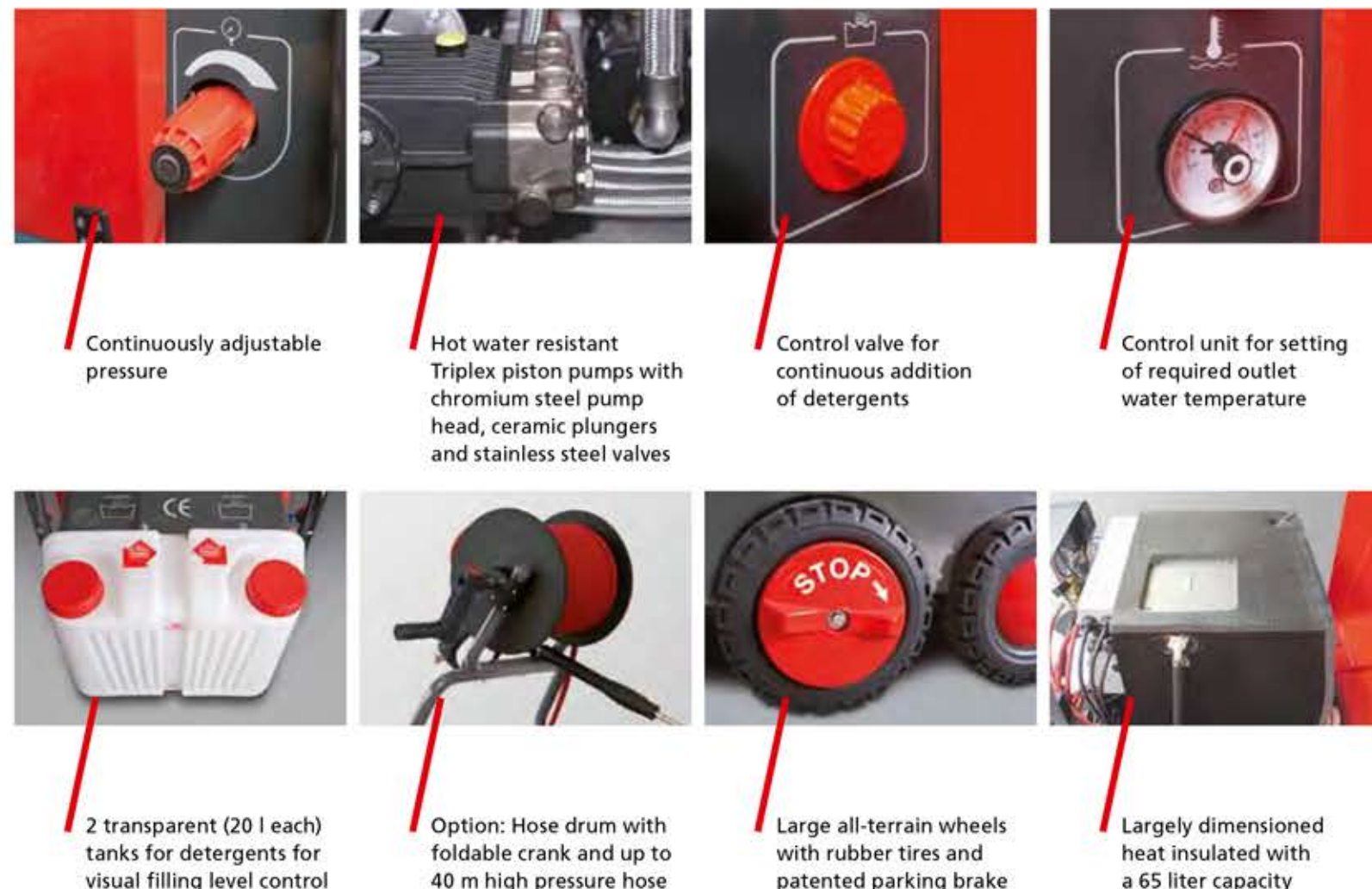
- > Trigger gun Powershift 350 with quick coupling QC 315
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > High pressure hose 10 m
- > Total stop system with delayed motor cut
- > Stand-by system for immediate hot water supply
- > Largely dimensioned stainless steel boiler with either 12 kW, 18 kW or 24 kW heating capacity
- > High pressure detergent control valve
- > 6-fold safety system consisting of pressure switch, water shortage protection, unloader valve, safety valve, thermostat and overload switch
- > Leakage detection

The EHRLE plus: STAND BY, 65 LITER BUFFER HOT WATER FROM THE BEGINNING

The EHRLE electric boiler offers the advantage that the washing water can be heated prior to the actual operation stage and, due to its buffer capacity, can be kept at a constant temperature in stand-by mode. This means that hot water is immediately available at the beginning of the washing operation.



Equipment features



Technical data

	HDE 800-12 kW	HDE 800-18 kW	HDE 800-24 kW
Order N°	106	107	108
Operating pressure, continuously adjustable	30-130 bar / 3-13 MPa	30-130 bar / 3-13 MPa	30-130 bar / 3-13 MPa
Water output	11 l/min. (660 l/h)	11 l/min. (660 l/h)	11 l/min. (660 l/h)
Hot water output temperature	30-80 °C	30-80 °C	30-80 °C
Nozzle size	2504	2504	2504
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm
High pressure hose	10 m, DN 8	10 m, DN 8	10 m, DN 8
Connected load	400 V, 32.0 A, 50 Hz	400 V, 3.0 A, 50 Hz	400 V, 63.0 A, 50 Hz
Power intake	12 kW	18 kW	24 kW
Volume Electric boiler	65 l	65 l	65 l
Weight	145 kg	150 kg	155 kg
Dimensions without hose drum (L x W x H)	1000 x 700 x 990 mm	1000 x 700 x 990 mm	1000 x 700 x 990 mm



HDB / HDD series

Mobile hot water high pressure cleaners with gasoline engine or diesel engine, designed for continuous professional use

Standard equipment HDB/HDD series

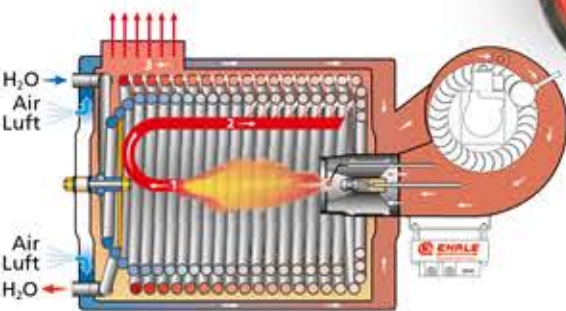
- > Trigger gun Powershift 350 with quick coupling QC 315
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > High pressure hose 10 m
- > High pressure detergent control valve
- > 4-fold safety system consisting of pressure switch, unloader valve, safety valve and thermostat
- > Electric starting system optional - standard on HDD 1240
- > Water tank for water supply separation
- > Steam-stage
- > Reduction gear for reduction of pump speed
- > 20 liter fuel tank

The EHRLE plus:

CONSTANTLY LOW PUMP SPEED DUE TO REDUCTION GEAR

EHRLE uses a reduction gear with a ratio of 1:2.2 between combustion motor and high pressure pump.

The EHRLE plus:
HIGHEST EFFICIENCY DUE TO HORIZONTAL COMBUSTION CHAMBER
 The EHRLE developed and uniquely horizontally positioned combustion chamber with its 3-draft system operates extremely efficiently and complies with even the strictest emission regulations.
LOW CONSUMPTION + INCREASED HEAT OUTPUT



Equipment features



Continuously adjustable pressure



Triplex piston pump with brass pump head (HDB 1240, HDD 1240), ceramic plungers and stainless steel valves



Control valve for continuous addition of detergents



Control unit for setting of required outlet water temperature



Service friendly combustion motor (Honda, Yanmar or Briggs & Stratton)



Option: hose drum with foldable crank and up to 40 m high pressure hose



Trolley for difficult terrain with rubber tires for easy maneuvering and vibration damping



Water tank serves as a water reservoir and buffer for water supply separation

Technical data

	HDB 1240	HDB 1540	HDD 1240
Order N°	138 Benzin	164 Benzin	158 Diesel
Operating pressure, continuously adjustable	30-180 bar / 3-18 MPa	30-280 bar / 3-28 MPa	30-180 bar / 3-18 MPa
Water output	16 l/min. (960 l/h)	17 l/min. (1,020 l/h)	16 l/min. (960 l/h)
Hot water output temperature	30-150 °C	30-150 °C	30-150 °C
Inlet water temperature	max. 60 °C	max. 60 °C	max. 60 °C
Nozzle size	2505 ■	25034 ■	2505 ■
Motor power consumption	13 HP gasoline Honda	18 HP gasoline Briggs & Stratton	10 HP diesel Yanmar
Pump speed	1,400 rpm	1,400 rpm	1,400 rpm
Electric start equipment	Option	Option	Standard
High pressure hose	10 m, DN 8	10 m, DN 8	10 m, DN 8
Weight	200 kg	200 kg	200 kg
Dimensions (L x W x H)	1280 x 800 x 800 mm	1280 x 800 x 800 mm	1280 x 800 x 800 mm

KS series

Stationary cold water high pressure cleaners,
designed for continuous professional use

Standard equipment KS series

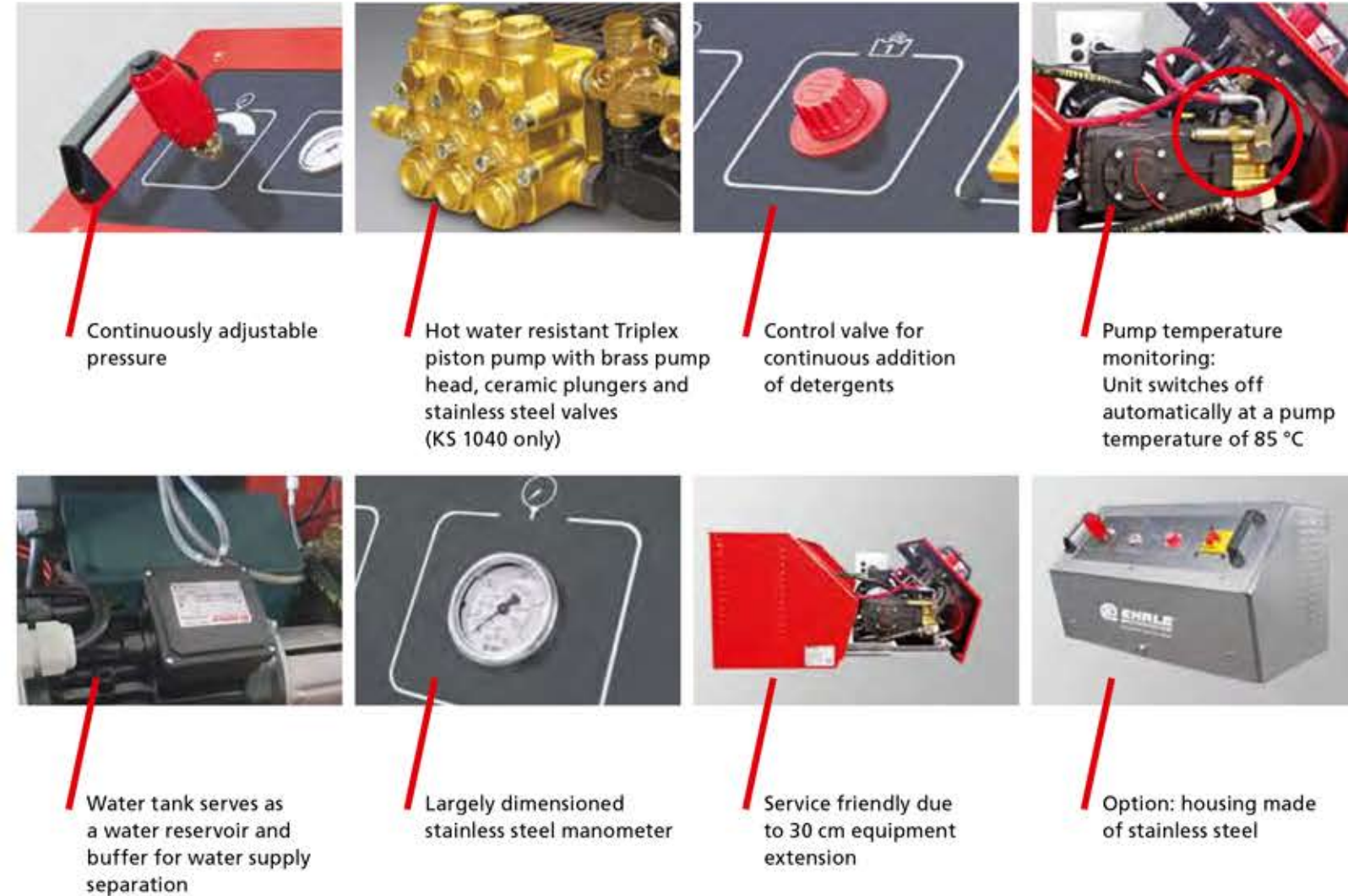
- > Trigger gun Powershift 350 with quick coupling QC 315
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > High pressure hose 10 m
- > Total stop system with delayed motor cut
- > High pressure detergent control valve
- > 4-fold safety system consisting of pressure switch, unloader valve, thermostat and overload switch
- > Pump temperature monitoring
- > Water tank for water supply separation
- > Ready for connection of remote controls





**The EHRLE plus:
HOT WATER RESISTANT
HIGH PRESSURE
PUMP WITH PUMP
TEMPERATURE
MONITORING**

The EHRLE developed KS series qualifies for operation up to 80 °C hot water. A thermostat serves to constantly monitor the pump temperature and switches off at 85 °C.

Equipment features



Technical data

	KS 623	KS 1040
Order N°	157	155
Operating pressure, continuously adjustable	30-130 bar / 3-13 MPa	30-180 bar / 3-18 MPa
Water output	13 l/min. (780 l/h)	16 l/min. (960 l/h)
Inlet water temperature	max. 80 °C	max. 80 °C
Nozzle size	2505 	2505 
Motor speed	1,400 rpm	1,400 rpm
High pressure hose	10 m, DN 8	10 m, DN 8
Connected load	230 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz
Power intake	3.0 kW	7.9 kW
Weight	70 kg	75 kg
Dimensions (L x W x H)	800 x 510 x 460 mm	800 x 510 x 460 mm



KSM series

Stationary multiple outlet units,
designed for continuous professional use

Standard equipment KSM series

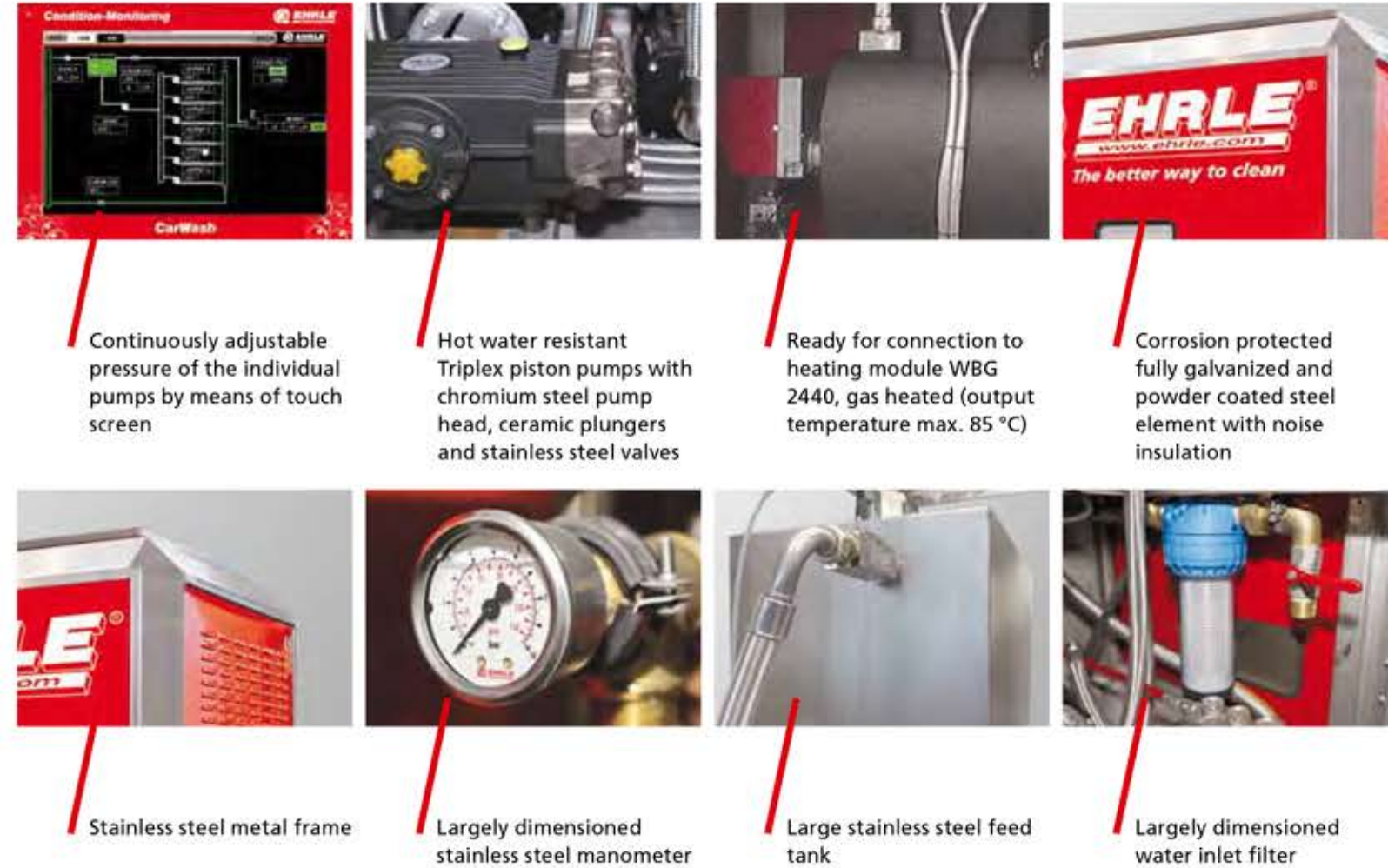
- > 2-6 independent motor pump units for simultaneous operation of 1-6 high pressure units
- > Switching on/off of high pressure pumps on demand
- > Total stop system with delayed motor cut
- > 4-fold safety system consisting of pressure switch, unloader valve, thermostat and overload switch
- > Pump temperature monitoring
- > Water tank for water supply separation
- > Leakage detection
- > Water shortage protection
- > SPS control by means of touch screen display
- > Operating hours meter
- > Ready for connection to heating module WBG 2440

The EHRLE plus: INTELLIGENT CONTROL TECHNOLOGY INCLUDING FLOW MONITOR

Due to its integrated flow monitor the unit remembers the number of users that intend to start the cleaning process at a given time and automatically switches on the necessary pumps or switches them off after the cleaning process. In this conjunction the number of simultaneous users is immaterial.



Equipment features



Continuously adjustable pressure of the individual pumps by means of touch screen

Hot water resistant Triplex piston pumps with chromium steel pump head, ceramic plungers and stainless steel valves

Ready for connection to heating module WBG 2440, gas heated (output temperature max. 85 °C)

Corrosion protected fully galvanized and powder coated steel element with noise insulation

Stainless steel metal frame

Largely dimensioned stainless steel manometer

Large stainless steel feed tank

Largely dimensioned water inlet filter



Technical data	2 pumps KSM 1840	3 pumps KSM 2740	4 pumps KSM 3640	5 pumps KSM 4540	6 pumps KSM 5440
Order N°	1561	1562	1563	1564	1565
Operating pressure, continuously adjustable	30-180 bar / 3-18 MPa	30-180 bar / 3-18 MPa	30-180 bar / 3-18 MPa	30-180 bar / 3-18 MPa	30-180 bar / 3-18 MPa
Water output	2x15 l/min. (1,800 l/h)	3x15 l/min. (2,700 l/h)	4x15 l/min. (3,600 l/h)	5x15 l/min. (4,500 l/h)	6x15 l/min. (5,400 l/h)
Inlet water temperature	max. 80 °C	max. 80 °C	max. 80 °C	max. 80 °C	max. 80 °C
Nozzle size	According to demand	According to demand	According to demand	According to demand	According to demand
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm
High pressure hose	Option	Option	Option	Option	Option
Connected load	400 V, 32.0 A, 50 Hz	400 V, 50.0 A, 50 Hz	400 V, 63.0 A, 50 Hz	400 V, 80.0 A, 50 Hz	400 V, 80.0 A, 50 Hz
Power intake	14.0 kW	21.0 kW	22.0 kW	27.5 kW	33.0 kW
Weight	356 kg	380 kg	410 kg	650 kg	680 kg
Dimensions (L x W x H)	1130 x 800 x 2080 mm	1130 x 800 x 2080 mm	2130 x 800 x 2080 mm	2130 x 800 x 2080 mm	2130 x 800 x 2080 mm

HSC/HSC-ST series

Stationary hot water high pressure cleaners, oil heated, designed for continuous professional use, indoor and outdoor

Standard equipment HSC/HSC-ST series

- > Trigger gun Powershift 350 with quick coupling QC 315
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > High pressure hose 10 m
- > High pressure detergent control valve
- > 6-fold safety system consisting of pressure switch, water shortage protection, unloader valve, safety valve, thermostat and overload switch
- > 2 motor systems, (independent of rotation direction) separate for high pressure pump and burner
- > Total stop system with delayed motor cut
- > Devices - Total switch-off after 20 minutes
- > 24 V safety voltage
- > Leakage detection
- > Optical flame monitoring system with photocell
- > Operating hours meter
- > Equipped for the connection of remote controls

The EHRLE plus:
2 OPERATING LEVELS:
LEVEL 1 INSIDE - FOR OPERATOR
 All presettings such as pressure, amount of water, temperature, dosage of detergents, etc. to be carried out at this point.
LEVEL 2 OUTSIDE - FOR USER
 Preset parameters can not be changed from the outside. Only ON/OFF switches are available.



Option PLUS:
 For installations in outdoor areas EHRLE guarantees frost protection up to -20 °C.



Equipment features



Technical data	HSC 723 (-ST)	HSC 1140 (-ST)	HSC 1240 (-ST)
Order N° Housing made of stainless steel	526	527	528
Order N° plastic coated housing	52601	52702	52801
Operating pressure, continuously adjustable	30-120 bar / 3-12 MPa	30-230 bar / 3-23 MPa	30-165 bar / 3-16.5 MPa
Water output	12 l/min. (720 l/h)	16 l/min. (960 l/h)	20 l/min. (1,200 l/h)
Hot water output temperature	30-150 °C	30-150 °C	30-150 °C
Nozzle size	25045 ■	25045 ■	2507 ■
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm
Connected load	230 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz
Heating oil consumption max.	4.8 kg/h, 5.65 l/h	5.9 kg/h, 6.94 l/h	5.9 kg/h, 6.94 l/h
Power intake	3.6 kW	9.0 kW	9.0 kW
High pressure hose	10 m, DN 8	10 m, DN 8	10 m, DN 8
Weight	450 kg	450 kg	450 kg
Dimensions (L x W x H)	1192 x 750 x 1620 mm	1192 x 750 x 1620 mm	1192 x 750 x 1620 mm

HSC-ST series

Stationary hot water high pressure cleaners, for professional users, gas heated or electrically heated, for inside and outside

Standard equipment HSC-ST series

- > Trigger gun Powershift 350 with quick coupling QC 315
- > Stainless steel pipe with nozzle protection and flat jet nozzle, 900 mm
- > High pressure hose 10 m
- > Water tank for water supply separation
- > High pressure detergent control valve
- > 6-fold safety system consisting of pressure switch, water shortage protection, unloader valve, safety valve, thermostat and overload switch
- > Total stop system with delayed motor cut
- > Devices - Total switch-off after 20 minutes
- > 24 V safety voltage
- > Leakage detection
- > Operating hours meter
- > Equipped for the connection of remote controls

Gas heated

- > Stainless steel boiler with turbo gas burner
- > Optical flame monitoring system with photocell

Electrically heated

- > Stand-by system for immediate hot water supply
- > Largely dimensioned stainless steel boiler with either 18 kW, 24 kW or 30 kW heating capacity



The EHRLE plus:

**2 OPERATING LEVELS:
LEVEL 1 INSIDE - FOR OPERATOR**

All presettings such as pressure, amount of water, temperature, dosage of detergents, etc. to be carried out at this point.

LEVEL 2 OUTSIDE - FOR USER

Preset parameters can not be changed from the outside. Only ON/OFF switches are available.

Option PLUS:

For installations in outdoor areas EHRLE guarantees frost protection up to -20 °C.



Equipment features



Internally located continuous pressure adjustment



Triplex piston pump with brass pump head, ceramic plungers and stainless steel valves



Turbo gas burner with connected 60 l stainless steel boiler (gas heated version)



Internal rotary thermostat for setting of required output water temperature



3 ON/OFF switches for stop, hot water and detergents



Large thermally insulated 85 l stainless steel boiler with stand-by system for immediate supply of hot water (electrically heated version)



Housing completely made of stainless steel



Housing insulation for thermal insulation and noise reduction

Technical data	gas heated	18 kW	24 kW	24 kW	30 kW
	HSC 1140-ST	HSC 840-ST	HSC 840-ST	HSC 1140-ST	HSC 1140-ST
Order N°	52701	530	531	532	533
Operating pressure, continuously adjustable	30-230 bar / 3-23 MPa	30-130 bar / 3-13 MPa	30-130 bar / 3-13 MPa	30-230 bar / 3-23 MPa	30-230 bar / 3-23 MPa
Water output	16 l/min. (960 l/h)	11 l/min. (660 l/h)	11 l/min. (660 l/h)	16 l/min. (960 l/h)	16 l/min. (960 l/h)
Hot water output temperature	30-80 °C	30-80 °C	30-80 °C	30-80 °C	30-80 °C
Nozzle size	25045	25045	25045	25045	25045
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm
High pressure hose	10 m, DN 8	10 m, DN 8	10 m, DN 8	10 m, DN 8	10 m, DN 8
Connected load	400 V, 16.0 A, 50 Hz	400 V, 35.0 A, 50 Hz	400 V, 40.0 A, 50 Hz	400 V, 50.0 A, 50 Hz	400 V, 36.0 A, 50 Hz
Power intake	9.0 kW	23.0 kW	28.0 kW	32.0 kW	41.0 kW
Weight	480 kg	400 kg	400 kg	420 kg	420 kg
Dimensions (L x W x H)	1192 x 750 x 1620 mm	1192 x 750 x 1620 mm	1192 x 750 x 1620 mm	1192 x 750 x 1620 mm	1192 x 750 x 1620 mm

SmartWash / SmartWash Plus

Stationary single station self-service washing areas with micro powder detergents for brushless vehicle care, oil or electrically heated

4 washing and vehicle care programs

- > **Program 1: Cleaning**
Brushless high pressure cleaning with hot, softened water and permanent addition of ActivePower Pearl MicroPulver®.
- > **Program 2: Rinsing**
Rinsing with cold freshwater.
- > **Program 3: Varnish protection**
Varnish protection with hot, softened water and addition of UltraProtection®.
- > **Program 4: High gloss**
SmartWash: High gloss cleaning with hot, softened water and addition of SuperFinish®.
SmartWash Plus: High gloss cleaning with demineralized water and addition of SuperFinish®.

The EHRLE plus:
PAINT SCRATCHES IMPOSSIBLE
Instead of the otherwise customary brushing function EHRLE relies on fine micro powder beads, viz. the ActivePower Pearl Micro-Pulver®, which is added to the high pressure jet providing a superb cleansing effect without any abrasive behavior.

PAINT DAMAGES
are thus a thing of the past.



The SmartWash Plus Units are equipped with a reverse osmosis water treatment system.

The 100 liter storage tank serves to always supply sufficient osmosis water for flawless drying results on the vehicle surface.

Equipment features



Internally located pressure unit for presetting of operating pressure

Hot water resistant Triplex piston pump with chromium steel pump head, ceramic plungers and stainless steel valves

Dosing unit for addition of Active-Power Pearl MicroPulver®

Reservoir for hot wax UltraProtection® and high gloss dryer SuperFinish®



Control panel with program keys for 4 washing and vehicle care programs as well coin acceptor and remaining time display

Illuminated car washing area by means of LED spots for better visibility in darkness

Housing entirely made of stainless steel

Storage for trigger gun

Technical data	SmartWash (oil heated)	SmartWash (electrically heated)	SmartWash Plus (oil heated)	SmartWash Plus (electrically heated)
Order N°	536	536001	536003	536001004
Operating pressure	130 bar / 13 MPa	130 bar / 13 MPa	130 bar / 13 MPa	130 bar / 13 MPa
Water output	660 l/h	660 l/h	660 l/h	660 l/h
Hot water output temperature	60 °C	60 °C	60 °C	60 °C
Connected load	400 V, 12.0 A, 50 Hz	400 V, 12.0 A, 50 Hz	400 V, 12.0 A, 50 Hz	400 V, 12.0 A, 50 Hz
Power consumption	4.5 kW	16.5 kW	4.5 kW	16.5 kW
Water softening capacity	32 m ³ /h	32 m ³ /h	32 m ³ /h	32 m ³ /h
Permeate capacity reverse osmosis system	-	-	2,400 l/d	2,400 l/d
Content osmosis tank	-	-	100 l	100 l
Content micro powder dosing unit	15 l	15 l	15 l	15 l
Content UltraProtection®	10 l	10 l	10 l	10 l
Content SuperFinish®	10 l	10 l	10 l	10 l
Weight	560 kg	650 kg	700 kg	770 kg
Dimensions (L x W x H)	1200 x 750 x 3250 mm	1200 x 750 x 3250 mm	1200 x 1500 x 3250 mm	1200 x 1500 x 3250 mm

Motor pump units

for stationary use

Standard equipment motor pump unit

- > 4-fold safety system consisting of pressure switch, unloader valve, safety valve and overload switch
- > Total stop system with delayed motor cut
- > Devices - Total switch-off after 20 minutes
- > 24 V safety voltage
- > Leakage detection
- > Stainless steel manometer



The EHRLE plus:

**COMPACT + FLEXIBLE,
UNIVERSALLY APPLICABLE**

EHRLE motor pump units are compact motor pump combinations available in 10 different performance classes and perfectly suited for integration in various applications.



Equipment features



Continuously adjustable pressure



Triplex piston pump with brass pump head, ceramic plungers and stainless steel valves



Sight glass for oil level check



Largely dimensioned stainless steel manometer



Slow running electric motor (1,400 rpm)



ON/OFF switch with motor protection



Splash water protected switch box including motor electronics



Option: Wall bracket with hose suspension for separate use of a motor pump unit
Order N° 2980331

Technical data	W1210SX	E12.13SX	W140	E14.18SX	ES151DX	ES151DX-H	ES132DX	WS1630DX	W2030DX	W2525DX
Order N°	233665	233667	233662	233664	233660	233661	233666	233670	233668	233669
Operating pressure, continuously adjustable	30-150 bar / 3-15 MPa	30-130 bar / 3-13 MPa	30-130 bar / 3-13 MPa	30-170 bar / 3-17 MPa	30-230 bar / 3-23 MPa	30-230 bar / 3-23 MPa	30-165 bar / 3-16.5 MPa	30-140 bar / 3-14 MPa	30-180 bar / 3-18 MPa	30-280 bar / 3-28 MPa
Water output	10 l/min. (600 l/h)	12 l/min. (720 l/h)	13 l/min. (780 l/h)	14 l/min. (840 l/h)	16 l/min. (960 l/h)	16 l/min. (960 l/h)	20 l/min. (1,200 l/h)	30 l/min. (1,800 l/h)	30 l/min. (1,800 l/h)	25 l/min. (1,500 l/h)
Inlet water temperature	max. 40 °C	max. 40 °C	max. 40 °C	max. 40 °C	max. 40 °C	max. 80 °C	max. 40 °C	max. 40 °C	max. 40 °C	max. 40 °C
Nozzle size	25034 ■	2505 ■	2505 ■	25045 ■	25045 ■	25045 ■	2507 ■	2512 ■	2510 ■	2507 ■
Motor speed	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm	1,400 rpm
Motor size	90	90	100	100	112	112	112	112	132	132
Connected load	230 V, 13.6 A, 50 Hz	230 V, 13.6 A, 50 Hz	230 V, 17.5 A, 50 Hz	400 V, 10.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 16.0 A, 50 Hz	400 V, 24.0 A, 50 Hz
Power intake	2.5 kW	3.1 kW	3.6 kW	4.4 kW	7.9 kW	7.9 kW	7.9 kW	7.9 kW	14.0 kW	14.0 kW
Weight	31 kg	31 kg	35 kg	31 kg	54 kg	54 kg	54 kg	56 kg	83 kg	83 kg
Dimensions (L x W x H)	540 x 340 x 400 mm	540 x 340 x 400 mm	670 x 380 x 390 mm	540 x 340 x 400 mm	730 x 430 x 390 mm	730 x 430 x 390 mm	730 x 430 x 390 mm	730 x 430 x 390 mm	750 x 450 x 430 mm	750 x 450 x 430 mm

Floor cleaners

for connection to high pressure cleaner



2 rotating high pressure nozzles on the bottom ensure even and thorough cleaning.

The area output is up to 10 times higher than manual floor cleaning with a flat steel lance.

No lateral leakage of splash water.



Technical data	compact-round	medio-round	profi-round	agrar-round	profi-brush
Order N°	3300300	3300420	3300520	330052001	330042001
Diameter cleaning disc	300 mm	420 mm	520 mm	520 mm	420 mm
Max. operating pressure	250 bar / 25 MPa	250 bar / 25 MPa	250 bar / 25 MPa	250 bar / 25 MPa	200 bar / 20 MPa
Flow volume	12 l/min. (720 l/h)	19 l/min. (1,140 l/h)	19 l/min. (1,140 l/h)	19 l/min. (1,140 l/h)	16 l/min. (960 l/h)
Max. inlet water temperature	60 °C	60 °C	60 °C	60 °C	60 °C
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Trolley	Triangle trolley with 3 castors	Triangle trolley with 3 castors	Triangle trolley with 3 castors	Pneumatic tires with 1 twin castor	Double trolley with 4 castors
Quick coupling QC 315	Standard	Standard	Standard	Standard	Standard
Equipment	2 high pressure revolving nozzles	2 high pressure revolving nozzles	2 high pressure revolving nozzles	2 high pressure revolving nozzles	High pressure revolving nozzles with auxiliary rotating brush
Weight	44 kg	48 kg	50 kg	77 kg	80 kg
Dimensions (L x W x H)	330 x 400 x 1,200 mm	430 x 400 x 1,200 mm	630 x 500 x 1,200 mm	730 x 600 x 1,400 mm	730 x 600 x 1,400 mm

Trigger gun, lances and brushes

Trigger gun Powershift 350 with quick coupling QC 315, max. 315 bar, inlet M 22 x 1.5 and stainless steel rotating coupling



Order N° 3300

Stainless steel pipe with quick coupling QC 315 and handle



700 mm Order N° 3304, **900 mm** Order N° 3305, **1.200 mm** Order N° 3306

Stainless steel pipe 900 mm with quick coupling QC 315, handle and nozzle protection



Order N° 3301

Double lances made of stainless steel with quick coupling QC 315, handle and nozzle protection

1st nozzle opened = high pressure, 1st + 2nd nozzle opened = low pressure for increased washing performance

Low pressure nozzle standard, please order high pressure nozzle separately

Please specify type of appliance when ordering.



Order N° 3303

Rotating washing brush with quick coupling QC 315, 1000 mm stainless steel extension and handle



Order N° 15027

Flat brush with quick coupling QC 315, 1000 mm extension made of stainless steel and handle



Order N° 1502701

Stainless steel pipe 900 mm with quick coupling QC 315 and rotary nozzle

Please specify type of appliance when ordering.



Nozzle size	035	045	050	060	040	12	070	100	035	045
Pressure max.	180 bar	180 bar	180 bar	190 bar	255 bar	200 bar	300 bar	250 bar	350 bar	350 bar
Order N°	3617	410725	417024	41027	2991	410726	41071	299101	2665	373501

Special accessories

White rubber tires for use in the food processing industry

series KD 2x2, KD 4x4, HD, HDE



Order N° 295903

Sludge suction cleaner, hose length 3.0 m



Order N° 41104

Sand blasting installation with quantity control

max. 19 l/min., max. 250 bar, for blasting material from 0.2 - 2.0 mm

Please specify type of appliance when ordering.



Order N° 41068

Foam lance with 1 l bottle



Order N° 410701

Dosing pump with storage bottle 1 l, anti lime system



Order N° 243603

T-piece hose connection M 22 x 1.5



Order N° 2498

Double nipple Hose connection M 22 x 1.5



Order N° 133654

Stainless steel nipple quick coupling QC 315 for trigger gun EHRLE Power 315 ST, Trigger gun Powershift 350

R 1/4" IG Order N° 394002

M 22 AG Order N° 394003



Adapter for direct connection to the chimney Ø 150 mm, stainless steel



HD series Order N° 25501

HSC-ST series Order N° 25502

Piglet's bowl cleaner „PorkyPott“

with 4 rotating high pressure nozzles



Order N° 2005031

High pressure hoses, hose drums

High pressure hose DN 6, max. 315 bar, max. 150 °C, M 22 x 1.5
with one-sided kink protection



15 m
Order N° 200503

High pressure hose DN 8, max. 315 bar, max. 150 °C, M 22 x 1.5
with on both sides kink protection



	10 m	15 m	20 m	30 m	40 m
Order N°	2000	2035	2153	2519	2481

High pressure hose DN 8, max. 315 bar, max. 150 °C, M 22 x 1.5,
for utilization in the food processing industry
with on both sides kink protection



	10 m	15 m	20 m	30 m	40 m
Order N°	2520	2521	2522	2523	2524

Pipe cleaning hose DN 6, max. 200 bar, max. 60 °C, M 22 x 1.5
with quick coupling QC 315



	10 m	15 m	20 m	30 m	40 m
Order N°	264702	264705	264703	264704	264706

**Professional hose drum with stainless steel shaft,
foldable crank and high pressure hose DN 8**



High pressure hose	10 m	15 m	20 m	30 m	40 m
Order N°	STR10	STR15	STR20	STR30	STR40



Hose lengths vs working areas in the comparison.

High pressure cleaner nozzles



Flat jet nozzles, Turbo-rotor nozzles, regulating nozzle, steam nozzle

High pressure nozzle, spray angle 25°, 1/4 " fem.



Nozzle size	25034	2504	25043	25045	2505	25055	2506	2507	2510	2512
Color coding	■	■	□	■	■	■	■	■	■	■
Order N°	200209	200207	200213	200201	200202	200203	200205	200204	200211	200212

Turbo rotor nozzle, 1/4 " fem., max. 180 bar



Nozzle size	035	04	043	045	05	055
Color coding	■	■	□	■	■	■
Order N°	361601	3616	232702	2327	232701	266401

Turbo rotor nozzle, 1/4 " fem., max. 350 bar



Nozzle size	035	04	045	05	055
Color coding	■	■	■	■	■
Order N°	2326	299301	2993	299302	2664

Turbo-rotor nozzle, KD 4x4 series



Nozzle size	04 max. 255 bar KD 1140	06 max. 190 bar KD 1340	07 max. 300 bar KD 1540	10 max. 250 bar KD 1840-220 bar	12 max. 200 bar KD 1840-140 bar
Color coding	■	■	■	■	■
Order N°	361604	361605	361606	361607	361614

Nozzle protection 1/4 " fem.



Order N° 2029

Regulator nozzle 1/4 " fem.



Order N° 2789

Steam nozzle, max. 150 °C, 1/4 " fem.



Order N° 2194

Industrial vacuum cleaners



ENT series

Wet/dry vacuum cleaners with dirt container made of plastic, designed for continuous professional use

Standard equipment ENT series

- > Suction hose Ø 40 mm x 4.5 m with connections
- > All-round nozzle
- > Wet floor nozzle
- > PVC handle
- > Upholstery nozzle
- > Suction brush
- > Flat nozzle
- > PVC suction pipe
- > Polyester filter



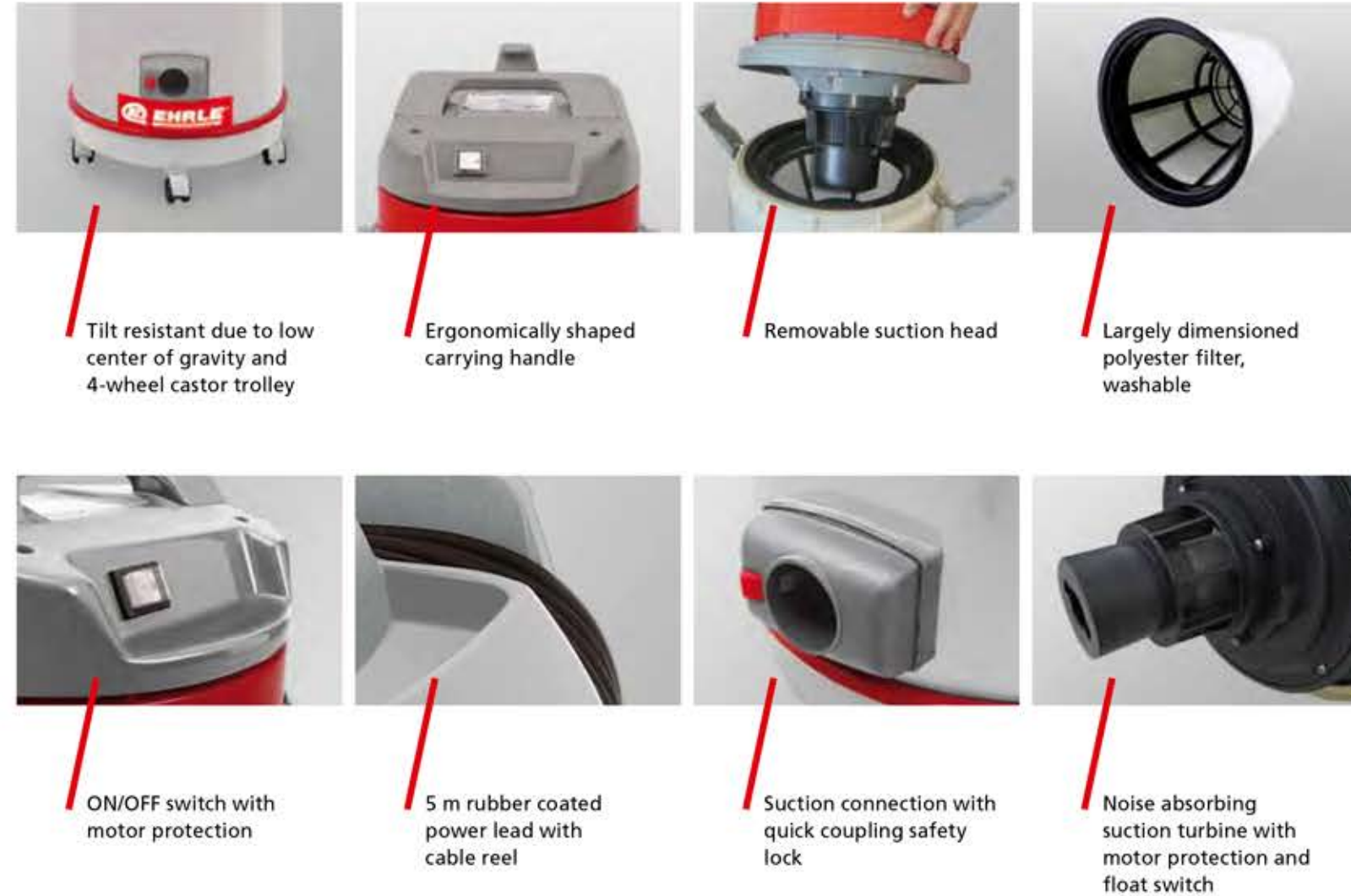
ENT 3512



ENT 2212

ENT 2712

Equipment features



Tilt resistant due to low center of gravity and 4-wheel castor trolley

Ergonomically shaped carrying handle

Removable suction head

Largely dimensioned polyester filter, washable

ON/OFF switch with motor protection

5 m rubber coated power lead with cable reel

Suction connection with quick coupling safety lock

Noise absorbing suction turbine with motor protection and float switch

The EHRLE plus:
COMPACT
POWERFUL
FLEXIBLE
VERY MANEUVRABLE
QUIET

Technical data

	ENT 2212	ENT 2712	ENT 3512
Order N°	205	206	207
Volume flow	3,200 l/min.	3,200 l/min.	3,300 l/min.
Vacuum	240 mbar	240 mbar	240 mbar
Container volume	22 l	27 l	35 l
Power consumption	1.2 kW	1.2 kW	1.2 kW
Connected load	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Weight	10.5 kg	13 kg	14 kg
Dimensions (L x W x H)	320 x 320 x 520 mm	320 x 320 x 570 mm	320 x 320 x 630 mm

ENT S series

Wet/dry vacuum cleaners with dirt container made of plastic, designed for continuous professional use

Standard equipment ENT S series

- > Suction hose Ø 40 mm x 4.5 m with connections
- > All-round nozzle
- > Wet floor nozzle
- > PVC handle
- > Upholstery nozzle
- > Suction brush
- > Flat nozzle
- > PVC suction pipe
- > Polyester filter



The EHRLE plus:

- COMPACT
- POWERFUL
- FLEXIBLE
- VERY MANEUVRABLE
- QUIET

Equipment features



Tilting function for easy emptying of dirt container



Stair climbing trolley



Removable suction head



Largely dimensioned polyester filter, washable



2 and/or 3 ON/FF switches for connection of turbines on demand



Cable reel for 5 m solid rubber coated power lead



Ergonomically shaped handlebar



Noise absorbing suction turbine with motor protection and float switch

Technical data

	ENT 7223-S	ENT 7233-S
Order N°	208	209
Volume flow	5,600 l/min.	8,500 l/min.
Vacuum	240 mbar	240 mbar
Container volume	72 l	72 l
Power consumption	2.3 kW (2 turbines)	3.3 kW (3 turbines)
Connected load	230 V, 50 Hz	230 V, 50 Hz
Weight	30 kg	30 kg
Dimensions (L x W x H)	560 x 550 x 1040 mm	560 x 550 x 1040 mm

SNT series

Wet/dry vacuum cleaners with dirt container made of stainless steel, designed for continuous professional use

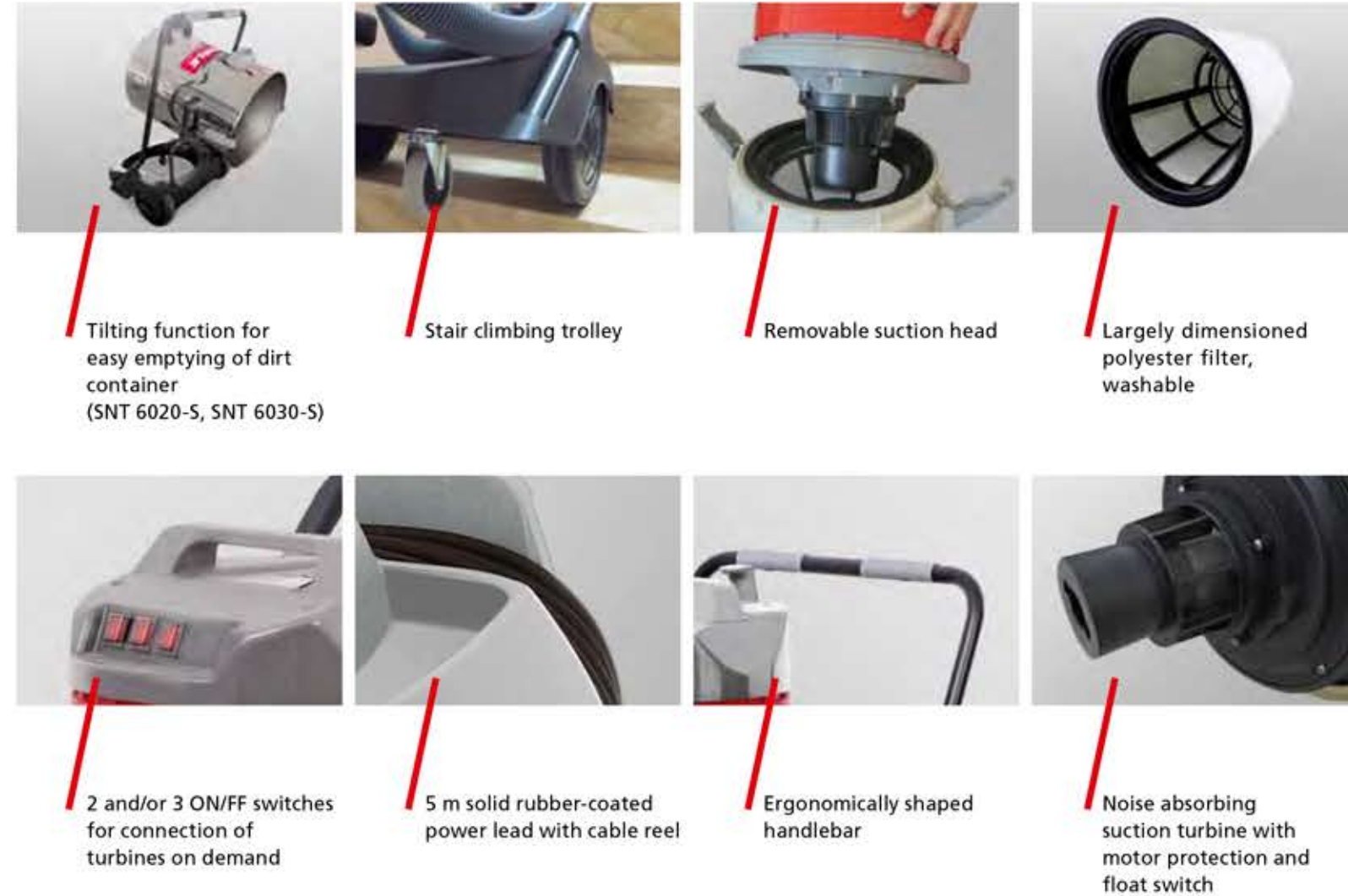
Standard equipment SNT series

- > Suction hose Ø 40 mm x 4.5 m with connections
- > All-round nozzle
- > Wet floor nozzle
- > PVC handle
- > Upholstery nozzle
- > Suction brush
- > Flat nozzle
- > PVC suction pipe
- > Polyester filter



SNT 6030-S

Equipment features



Tilting function for easy emptying of dirt container (SNT 6020-S, SNT 6030-S)

Stair climbing trolley

Removable suction head

Largely dimensioned polyester filter, washable

2 and/or 3 ON/FF switches for connection of turbines on demand

5 m solid rubber-coated power lead with cable reel

Ergonomically shaped handlebar

Noise absorbing suction turbine with motor protection and float switch

The EHRLE plus:

- COMPACT
- POWERFUL
- FLEXIBLE
- VERY MANEUVRABLE
- QUIET



SNT 6020

SNT 6020-S

Technical data

	SNT 6020	SNT 6020-S	SNT 6030-S
Order N°	123	147	148
Volume flow	5,600 l/min.	5,600 l/min.	8,500 l/min.
Vacuum	240 mbar	240 mbar	240 mbar
Container volume	60 l	60 l	60 l
Power consumption	2.4 kW	2.4 kW	3.6 kW
Connected load	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Weight	25 kg	28 kg	28 kg
Dimensions (L x W x H)	560 x 550 x 980 mm	560 x 550 x 980 mm	560 x 550 x 980 mm

ENT/SNT series

Special version wet or dry cleaners
for professional use

Standard equipment ENT/SNT series

- > Suction hose Ø 40 mm x 4.5 m with connections
- > All-round nozzle
- > Wet floor nozzle
- > PVC handle
- > Upholstery nozzle
- > Suction brush
- > Flat nozzle
- > PVC suction pipe
- > Polyester filter



SNT 6020-S Zyklon

The EHRLE plus:

WZ VERSIONS
WITH
CABLE PLUG AND
AUTOMATIC
SWITCH-ON



ENT 2712 WZ

SNT 6020-S WZ

SNT 6020-S SMP

Equipment features



Tilting function for easy emptying of dirt container (SNT 6020-S WZ, SNT 6020-S SMP)



Stair climbing trolley (except for ENT 2712 WZ)



SNT 6020-S Zyklon using state-of-the-art cyclone filter technology



Largely dimensioned polyester filter, washable (except for SNT 6020-S Zyklon)



SNT 6020-S SMP with integrated dirt water pump



WZ versions with power tool with cable plug and switch-on and cut-out delay for connection to vacuumable electrical appliances



Electrical appliances with vacuum option qualify for connection to cable plug of WZ versions



Noise absorbing suction turbine with motor protection

Technical data

	ENT 2712 WZ	SNT 6020-S WZ	SNT 6020-S SMP	SNT 6020-S Zyklon
Order N°	206WZ	147WZ	147SMP	147CYC
Volume flow	3,200 l/min.	5,600 l/min.	5,600 l/min.	5,600 l/min.
Vacuum	240 mbar	240 mbar	240 mbar	240 mbar
Container material	Plastic	Stainless steel	Stainless steel	Stainless steel
Container volume	27 l	60 l	60 l	60 l
Power consumption	1.2 kW (1 turbine)	2.4 kW (2 turbines)	2.4 kW (2 turbines)	2.4 kW (2 turbines)
Cable plug	2,400 W	2,400 W	-	-
Connected load	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Weight	14 kg	28 kg	31 kg	39 kg
Dimensions (L x W x H)	570 x 320 x 320 mm	560 x 550 x 980 mm	560 x 550 x 980 mm	360 x 500 x 1370 mm

ENT 9023-S FW

Top performance wet/dry vacuum cleaner with dirt water pump

Standard equipment ENT 9023-S FW

- > Suction hose Ø 40 mm x 4.5 m
- > 400 mm roller nozzle for vacuuming of liquids
- > Fire hose connection - Storz 52-C - with check valve
- > Stainless steel dirt water pump with automatic on/off switch, easy to disassemble for outdoor use
- > Large coarse dirt filter for protection of dirt water pump
- > Separate container emptying hose
- > Robust transport handle
- > Removable suction head
- > Break and acid resistant polyethylene container



The EHRLE plus:

**STAINLESS STEEL
DIRT WATER PUMP**

**FIRE HOSE
CONNECTION**

Equipment features



Fire hose connection - Storz 52-C - for vacuuming of liquids including check valve

Robust suction hose connection made of metal

Separate container emptying hose

Roller nozzle for vacuuming of liquids, 400 mm wide



2 ON/OFF switches for connection of turbines, 1,150 W each, on demand

Dirt water pump uses float switch to automatically switch on/off; easy to disassemble for outdoor use

Coarse dirt filter for protection of dirt water pump

2 large track wheels enable climbing of stairs

Technical data

ENT 9023-S FW

Order N°	208 FW
Volume flow	6,600 l/min.
Vacuum	240 mbar
Container volume	90 l
Power intake	3.3 kW
Connected load	230 V, 50 Hz
Suction capacity	2,300 l/h (2 turbines)
Weight	28 kg
Dimensions (L x W x H)	590 x 450 x 970 mm

Accessories

Wet and dry vacuum cleaners ENT-, ENT S-, ENT/SNT series Standard accessories

All-round nozzle



Connection Ø 36 mm Order N° 2362

Hand pipe, angled, plastic



Connection Ø 36 mm Order N° 279402, connection Ø 40 mm Order N° 279401

Upholstery nozzle



Connection Ø 36 mm Order N° 2826

Flat nozzle



Connection Ø 36 mm Order N° 2657

Suction hose, 4.5 m



Ø 36 mm Order N° 26551, Ø 40 mm Order N° 26561

Suction brush



Ø 40 mm Order N° 2797

Suction pipe, 2 x



Ø 36 mm Order N° 283801, Ø 40 mm Order N° 2658

Wet floor nozzle (no standard accessories for dry cleaners)



Connection Ø 36 mm Order N° 2793, connection Ø 40 mm Order N° 2592

Polyester filter washable, (except for SNT 6020-S Zyklon)



ENT 2212 Order N° 371201

ENT 2712, ENT 3512 Order N° 371301

ENT 7273-S, ENT 7233-S Order N° 03240

SNT 6020, SNT 6020-S, SNT 6030-S Order N° 3719

Special accessories

Flat nozzle



Connection Ø 40 mm Order N° 2363

Wet floor nozzle



Connection Ø 40 mm Order N° 2795

Universal adaptor for electrical tools of the WZ versions



Order N° 02737

Accessory holder for push trolley (SNT-S)



Order N° 020538

Wet floor nozzle for attachment to push trolley



Order N° 3733

Dry floor brush with rubber lips for attachment to push trolley



Order N° 507901

Wet/Dry brush „Vortex“ nozzle for attachment to push trolley



Order N° 5079

Power sweepers



KM 870

Mobile and easy to maneuver hand sweeping machine for private and professional users

Equipment features



Working width 870 mm



Corrosion resistant powder coated steel frame with handlebar



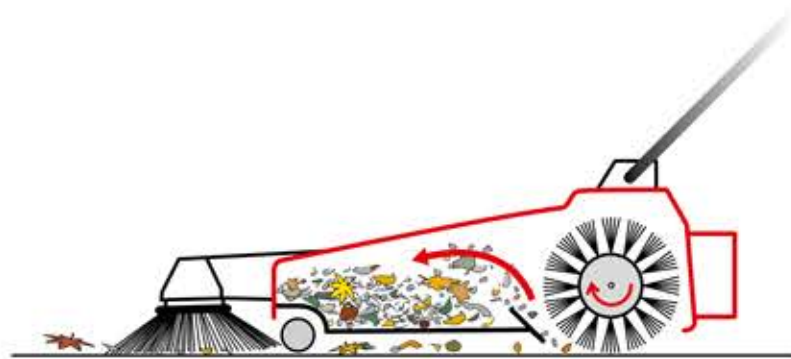
Side brush and roller brush made of extremely wear resistant nylon



Standard equipment KM 870

- > EHRLE double sweep system (sweeping during forward and backward sweeping)
- > Storage bin made of impact-proof plastic with a volume of 30 liters
- > Up to 2,500 m²/h working capacity
- > Continuous height adjustment of main sweeper roller
- > Continuous height adjustment of side brushes
- > Large wheels with solid rubber tires
- > Castor for extreme maneuverability

Weight 25 kg
Order N° 398



KME-KMB 900



Mobile and easy to maneuver walk-behind sweeping/vacuum cleaners for professional users, battery or gasoline powered

Equipment features



Working width 730 mm



Spring mounted side brush for permanent floor contact



Ergonomically shaped handlebar



Standard equipment KME 900

- > Electric forward traction and drive of brushes and suction unit by of battery 12 V
- > Up to 3,400 m²/h working capacity
- > Dirt container volume 45 l
- > Filter surface 3 m²
- > Manual filter vibrator
- > Main dirt flap

Weight 85 kg
Order N° 41702

Battery and charger are not included in scope of delivery. Please order separately.

Standard equipment KMB 900

- > Forward traction of wheels and brushes as well as of suction unit by means of 3 HP Honda motor
- > Up to 3,400 m²/h working capacity
- > Dirt container volume 45 l
- > Filter surface 3 m²
- > Manual filter vibrator
- > Main dirt flap

Weight 85 kg
Order N° 41902

KME-KMB 900-2

Mobile and easy to maneuver walk-behind sweeping/vacuum cleaners for professional users, battery or gasoline powered

Equipment features



900 mm working width



2 spring mounted side brushes for permanent floor contact



Ergonomically shaped handlebar



KME 900-2: Battery and charger are not included in scope of delivery. Please order separately.

Standard equipment KME 900-2

- > Electric forward traction and drive of brushes and suction unit by of 2 batteries 12 V
 - > Up to 3,400 m²/h working capacity
 - > Dirt container volume 45 l
 - > Filter surface 3 m²
 - > Electric filter vibrator
 - > Main dirt flap
 - > Option: dirt container with waste bag
 - > Adjustment and change of all brushes without any tools
- Weight 85 kg
Order N° 41701

Standard equipment KMB 900-2

- > Forward traction of wheels and brushes as well as of suction unit by means of 3 HP Honda motor
 - > Up to 3,400 m²/h working capacity
 - > Dirt container volume 45 l
 - > Filter surface 3 m²
 - > Electric filter vibrator
 - > Main dirt flap
 - > Option: dirt container with waste bag
 - > Adjustment and change of all brushes without any tools
- Weight 85 kg
Order N° 41901

KMB 999-2

Mobile and easy to maneuver walk-behind sweeping/vacuum cleaners for professional users, gasoline powered



Equipment features



Working width 1,250 mm



Vacuum connection with 3 m suction hose for coarse dirt outside sweeping area



Spray function for dust reduction with 15 l tank



The EHRLE plus:
3 METER
ADDITIONAL HOSE
for dirt collection
outside
sweeping area

Standard equipment KMB 999-2

- > Hydrostatic wheel drive, brush drive and suction unit drive by means of Honda motor 5.5 HP
 - > Electric start
 - > Up to 5,000 m²/h working capacity
 - > Dirt container volume 90 l
 - > Filter surface 4 m²
 - > Electric filter vibrator
 - > Climbing capacity up to 20 %
- Weight 260 kg
Order N° 41903

KME-KMB 1200-2

Mobile and easy to maneuver rider sweeping/vacuum cleaners for professional users, battery or gasoline powered

Equipment features



Working width 1,200 mm



2 spring mounted side brushes for permanent floor contact



Ergonomic driver's cab with control panel



Standard equipment KME 1200-2

- > Electric forward traction and drive of brushes and suction unit by of 4 batteries 24 V
 - > Up to 9,000 m²/h working capacity
 - > Dirt container volume 70 l
 - > Filter surface 4 m²
 - > Electric filter vibrator
 - > Main dirt flap
 - > Option: dirt container with waste bag
 - > Control handle for middle and side brushes, charge display and operating hours meter in driver's cab
- Weight 280 kg
Order N° 42301

Standard equipment KMB 1200-2

- > Forward traction of wheels and brushes as well as of suction unit by means of 5.5 HP Honda motor
 - > Electric start
 - > Up to 9,000 m²/h working capacity
 - > Dirt container volume 70 l
 - > Filter surface 4 m²
 - > Electric filter vibrator
 - > Main dirt flap
 - > Option: dirt container with waste bag
 - > Control handle for middle and side brushes, charge display and operating hours meter in driver's cab
- Weight 395 kg
Order N° 42401

KME 1200-2: Battery and charger are not included in scope of delivery. Please order separately.

KME-KMB 1300-2

www.ehrle.com
The better way to clean

Mobile and easy to maneuver rider sweeping/vacuum cleaners for professional users, battery or gasoline powered

Equipment features



Working width 1,200 mm



2 spring mounted side brushes for permanent floor contact



High dumping system for dirt container up to a height of 1.4 m



Standard equipment KME 1300-2

- > Electric forward traction and drive of brushes and suction unit by of 4 batteries 24 V
 - > Up to 9,000 m²/h working capacity
 - > Dirt container volume 70 l
 - > Filter surface 4 m²
 - > Electric filter vibrator
 - > Main dirt flap
 - > Option: dirt container with waste bag
 - > Control handle for middle and side brushes, charge display and operating hours meter in driver's cab
- Weight 280 kg
Order N° 42302

Standard equipment KMB 1300-2

- > Forward traction of wheels and brushes as well as of suction unit by means of 5.5 HP Honda motor
 - > Electric start
 - > Up to 9,000 m²/h working capacity
 - > Dirt container volume 70 l
 - > Filter surface 4 m²
 - > Electric filter vibrator
 - > Main dirt flap
 - > Option: dirt container with waste bag
 - > Control handle for middle and side brushes, charge display and operating hours meter in driver's cab
- Weight 440 kg
Order N° 42402

KME 1300-2: Battery and charger are not included in scope of delivery. Please order separately.

EHRLE

wear collection

EHRLE outdoor jacket, plain

Waterproof breathable rain jacket and fleece jacket, integrated hood in collar, with zip



Ladies' sizes S-L Order N° 3044400, Men's sizes S-XXL Order N° 304441

Blouses/shirts and ties

100 % cotton, EHRLE logo red, embroidered on collar



Ladies' blouses sizes 34-42 white, long sleeves, Order N° 304201
 Ladies' blouses sizes 34-42 white, short sleeves, Order N° 304202
 Men's shirt sizes 39-48 white, long sleeves, Order N° 3042
 Men's shirt sizes 39-48 white, short sleeves, Order N° 3043
 Men's shirt sizes 39-48 gray, long sleeves, Order N° 304203
 Men's shirt sizes 39-48 gray, short sleeves, Order N° 304301
 Ladies' tie Order N° 3046
 Men's tie Order N° 304601

Polo shirt

100 % cotton, black, EHRLE logo white, embroidered



Ladies' polo shirt sizes S-4XL Order N° 3044
 Men's polo shirt sizes S-4XL Order N° 3045

EHRLE cap

EHRLE logo red, embroidered, with padded satin sweatband, with 6 air openings



Order N° 304503

EHRLE

sales support



EHRLE canvas bag

Shoulder strap made of car safety belts, flat pocket with zip, cell phone and pen holder inside



Order N° 3080

EHRLE writing pad and EHRLE ballpoint pen

Ink black



Pad DIN A 6 Order N° 300503
 Pad DIN A 5 Order N° 300502
 Pad DIN A 4 Order N° 300501
 Ballpoint pen red/silver Order N° 3519

Shop wall system

with integrated lighting, 55 cm deep, 2.0 m wide, 2.45 m high



Order N° 3310

Brochure rack

Made of metal, with integrated lighting
 Height approx. 1.50 m



Order N° 3050

Pallet cover

for product presentation,
 1.20 m x 0.80 m



Order N° 3000

EHRLE cups

red/white



Order N° 362701

Banner for outside advertising

3.0 m x 1.0 m with ring eyelets





3 piston high performance pump

The 3 piston high performance pump uses a crankshaft and solid ceramic plungers (pistons) as well as stainless steel valves. The pump head is made from forged special brass or cast chromium steel guaranteeing an extremely long service life. There is no chance for corrosion.



Slow runner

All EHRLE high pressure cleaners are equipped with slow running, quiet and durable four-pole electric motors (1,400 rpm).



Total stop system with cut-out delay

Frequently switching the motor on and off with machines of this size can overload the power circuit and lead to wear of the electrical components. For this reason, the pump continues to work for 30 seconds in pressure-less bypass operation after releasing the trigger gun. After that period the motor switches off. Actuating the trigger gun causes both the motor and pump to restart.



Total stop

If you forget to switch off the high pressure cleaner, or if the spray gun is not used for 20 minutes, the machine automatically switches off. (Safety cut-out)



Leakage detection

The system is able to detect any cotangential leakage in the high pressure hose, in the trigger gun or in the high pressure cleaner and automatically switches off the high pressure cleaner.



QC 315 quick coupling system

The QC 315 quick coupling system is designed to enable rapid change of lances with different nozzles or accessories without the use of any tools.



Water tank

The water tank serves as a water reservoir and buffer between water supply and pump. Water shortage, which is one of the main reasons for damage to high pressure pumps, can thus be excluded. Furthermore, the separation of the drinking water network and the high pressure cleaner is required by law.



Suction of detergents by means of control valve

The integrated water tank enables the pump to simultaneously suck water and detergents in dosed quantities. The otherwise necessary injector on the pump outlet, which uses approx. 30 % of the cleaning energy as is customary with conventional machines, is no longer required. Detergents can be sprayed under undiminished high pressure.



Hose drum

The EHRLE hose drum is able to store up to 40 meters of high pressure hose, thus enormously enlarging the working radius of the high pressure cleaner. The foldable crank handle also serves as a safety device to prevent the hose from unwinding off the drum.



Horizontal heat exchanger

The EHRLE developed horizontal heat exchanger with its 3-draft system operates extremely efficiently and complies with even the strictest emission regulations. A separate burner motor makes optimal use of the combustion air and simultaneously provides cooling air for the outer surfaces so that no thermal insulation is required.



Optical flame monitoring system

The oil or gas heated EHRLE machines are equipped with an optical flame monitoring device. If the photocell does not detect a flame, the fuel supply is cut off and an error message appears in the display and/or a control lamp lights up.



Parking brake

The EHRLE developed and patented parking brake ensures safe locking of the mobile machines at the site of operation, especially on sloping terrain.



Transparent tanks

The transparent material of the tanks for fuel and detergents allow for visual filling level control in order to ensure prompt reaction in case of decreasing media.



Operating hours meter

EHRLE hot water units are equipped with an integrated operating hours meter on which the number of operating hours of the pump as well as of the burner and/or boiler are displayed, which, for example, helps to facilitate determining service intervals.

KD 623	KD 823	KD 940	KD 1140	KD 1340	KD 1840/140 bar	KD 1540	KD 1840/180 bar	HD 623	HD 640	HD 723 UK	HD 840	HD 940	HD 1140	HD 1240	HDE 800-12 kW	HDE 800-18 kW	HDE 800-24 kW	
●								●										● Nozzle size 25034 Order N° 200209
	○	●																● Nozzle size 2504 Order N° 200207
																		○ Nozzle size 25043 Order N° 200213
																		● Nozzle size 25045 Order N° 200201
	●																	● Nozzle size 2505 Order N° 200202
																		● Nozzle size 25055 Order N° 200203
																		● Nozzle size 2506 Order N° 200205
																		● Nozzle size 2507 Order N° 200204
																		● Nozzle size 2510 Order N° 200211
																		● Nozzle size 2512 Order N° 200212

KDB 1240	KDB 1540	KDD 1240	HDB 1240	HDB 1540	HDD 1240	KS 623	KS 1040	HSC 723 (-ST)	HSC 1140 (-ST) UK	HSC 1240 (-ST)	HSC 1140-ST gas	HSC 840-ST 18 kW	HSC 1140-ST 24 kW	HSC 1140-ST 30 kW				
																		● Nozzle size 25034 Order N° 200209
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																		● Nozzle size 25055 Order N° 200203
																		● Nozzle size 2506 Order N° 200205
																		● Nozzle size 2507 Order N° 200204



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The better way to clean

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